ABSTRACT

Library is closely related to students' learning-teaching process for getting knowledge. The facilities provided by the school are fully beneficial for all students if they take its full advantage. The library's book collection should always be updated at every period in accordance with the education system implemented by the government. However, not all libraries apply technology in the process of library activities such as book lending, member registration, book searching, and others. It makes library activities carried out manually by using bookkeeping. To overcome the problems, it is necessary to use a web-based library information system application. The development of the proposed system was carried out in two stages, i.e., data collection method stage consisting of interviews, field studies, and software development with the Waterfall method including analysis, design, implementation, and application built on a web based using the PHP program with a database using MySQL. The library information system accelerates the process of completing the work of the library section to save time and money and to improve the service quality to students of SMP Negeri 1 Selemadeg Timur.

Keywords: Information Systems, Library, Waterfall, MySQL, PHP, Web